BRUHAT BANGALORE MAHANAGARA PALIKE, BANGALORE

Name of Work: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurement Sheets

3rd and Final Bill

Assistant Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 15/02/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
9	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (Item No.4.12, Page No.13, SR: 2016-17)							
	INDOOR GAME BUILDING							
	Coloumns							
	C1		22	0.45	0.38	2.15	7.98	
	C2		8	0.45	0.23	2.15	1.78	
	C3		2	0.07		2.15	0.30	
	3rd and Final Bill						0.00	
	For Lintel Beam						0.00	
	LB1 &LB4		2	35.75	0.23	0.375	6.17	
	LB6 &LB7		2	18.00	0.23	0.375	3.11	
						Total Qty	**19.33**	**Cum**
						Qty Paid in 1st R.A.Bill	**0.00**	**Cum**
						Qty Paid in 2nd R.A.Bill	**10.06**	**Cum**
						Present Qty	**9.27**	**Cum**

Contractor

Nayzen Consultants Bangalore PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Premeasurements Recorded On 04/07/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.31, Page No.15, SR: 2016-17)							
	INDOOR GAME BUILDING							
	For Tie beam							
	PB1 &PB4		4	35.75		0.45	64.35	
	PB6 &PB7		4	18.00		0.45	32.40	
	PB2 &PB3		4	2.35		0.45	4.23	
	PB5		2	4.69		0.45	4.22	
	For Plinth Beam							
	PB1 &PB4		4	35.75		0.45	64.35	
	PB6 &PB7		4	18.00		0.45	32.40	
	PB2 &PB3		4	2.35		0.45	4.23	
	PB5		2	4.69		0.45	4.22	
	3rd and Final Bill							
	Eave Wall(parapaet Wall)		4	41.00		1.50	246.00	
						Total Qty	**456.40**	**Cum**
						Qty Paid in 1st R.A.Bill	**210.40**	**Sqm**
						Qty Paid in 2nd R.A.Bill	**0.00**	**Sqm**
						Present Qty	**246.00**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Premeasurements Recorded On 10/7/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
15	KSRB 4-6.7 :Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2							
	INDOOR GAME BUILDING							
	Coloumns							
	C1		22	1.65		2.15	78.045	
	C2		8	1.36		2.15	23.392	
	C3		2	0.07		2.15	0.301	
	3rd and Final Bill							
	For Lintel Beam							
	LB1 &LB4		4	35.75		0.375	53.63	
	LB6 &LB7		4	18.00		0.375	27.00	
						Total Qty	**182.36**	**Sqm**
						Qty Paid in 1st R.A.Bill	**0.00**	**Sqm**
						Qty Paid in 2nd R.A.Bill	**101.74**	**Sqm**
						Present Qty	**80.62**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Premeasurements Recorded On 1st Notice

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2							
	INDOOR GAME BUILDING							
	3rd and Final Bill							
	Roof Portico		1	6.55	3.49		22.83	
	Projection Slab		2	41.00	1.15		94.30	
						Total Qty	**117.13**	
						Qty Paid in 1st R.A.Bill	**0.00**	
						Qty Paid in 2nd R.A.Bill	**0.00**	
						Present Qty	**117.13**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project divisic
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Premeasurements Recorded On 17/07/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
17	Providing and removing **centering, shuttering,** strutting, propping etc., **for edges of slabs** and breaks in floor including cost of all materials, labour complete as per specifications.							
	INDOOR GAME BUILDING							
	3rd and Final Bill							
	Roof Portico		1	6.55		0.15	0.98	
			2	3.49		0.15	1.05	
	Projection Slab		2	41.00		0.15	12.30	
						Present Qty	**14.33**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project divisic
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Premeasurements Recorded On 31/07/19, 01/08/19, 06/08/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
20	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (TMT bars Fe 500) (Item No.4.46.2, Page No.17, SR: 2016-17)							
	For Footing							
	Footing Concrete							
	12mm dia bar on b/s @ 100mm C/C							
	F1 main bar 3.2/0.10=32Nos	22	32	3.10	0.89		1942.34	
	2.85/0.10	22	28	3.50	0.89		1918.84	
	12mm dia bar on b/s @ 125mm C/C							
	F2 main bar 2.65/0.125=	8	22	2.70	0.89		422.93	
		8	20	2.95	0.89		420.08	
	F3	2	13	2.30	0.89		53.22	
		2	13	2.30	0.89		53.22	
	Column Below Plinth (Pedesstal)							
	P1,							
	16# 16mm dia bar	22	16	4.65	1.580		2586.14	
	Stirrups 8mm dia bar @ 200mm C/C	22	4	2.20	0.390		75.50	
	C1							
	16# 20mm dia bar	22	18	7.00	2.460		6819.12	
	Stirrups 8mm dia bar @ 200mm C/C	22	4	1.65	0.390		56.63	
	P2							
	14# 16mm dia bar	8	14	4.65	1.580		822.86	
	Stirrups 8mm dia bar @ 200mm C/C	8	2	2.20	0.390		13.73	
	C2							
	16# 20mm dia bar	8	10	7.00	2.460		1377.60	
	Stirrups 8mm dia bar @ 200mm C/C	8	2	1.36	0.390		8.49	
	P3							
	14# 16mm dia bar	2	12	4.65	1.580		176.33	
	C3							

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	16# 20mm dia bar	2	8	7.00	1.580		176.96	
	Tie Beam							
	TB1 & TB4							
	through bar 3# 16mm dia @ Top and bottom	2	6.00	42.40	1.58		803.90	
	Extra bar @top 16mm dai bar							
	Grid 1&11	2	2.00	1.40	1.58		8.85	
	Grid 2 to 10	2	9.00	2.80	1.58		79.63	
	Extra bar @ Bottom 16mm dai bar							
		2	20	3.15	1.58		199.08	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	207	1.25	0.39		201.83	
	TB6 & TB7							
	through bar 3# 16mm dia @ Top and bottom	2	6.00	20.70	1.58		392.47	
	Extra bar @top 16mm dai bar							
	Grid E to B	2	4.00	2.75	1.58		34.76	
	Grid A to F	2	2.00	1.50	1.58		9.48	
	Extra bar @ Bottom 16mm dai bar							
	Grid A to B &vGrid F to E	2	4	2.59	1.58		32.74	
	Grid E to D & Grid B to C	2	4	2.85	1.58		36.02	
	Grid D to C	2	2	3.62	1.58		22.88	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	100	1.25	0.39		97.50	
	TB2 & TB3							
	through bar 3# 12mm dia @ Top and bottom	2	6.00	3.40	0.89		36.31	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	17	1.25	0.39		16.58	
	TB5							
	through bar 3# 12mm dia @ Top	2	5.40	3.40	0.89		32.68	
	through bar 3# 16mm dia @ bottom	2	5.40	3.40	1.58		58.02	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	26	1.25	0.39		25.35	
	Plinth Beam							
	PB1 & PB4	p						
	through bar 3# 16mm dia @ Top and bottom	2	6.00	42.40	1.58		803.90	
	Extra bar @top 16mm dai bar							

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Grid 1&11	2	2.00	1.40	1.58		8.85	
	Grid 2 to 10	2	9.00	2.80	1.58		79.63	
	Extra bar @ Bottom 16mm dai bar							
		2	20	3.15	1.58		199.08	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	207	1.25	0.39		201.83	
	PB6 & PB7							
	through bar 3# 16mm dia @ Top and bottom	2	6.00	20.70	1.58		392.47	
	Extra bar @top 16mm dai bar							
	Grid E to B	2	4.00	2.75	1.58		34.76	
	Grid A to F	2	2.00	1.50	1.58		9.48	
	Extra bar @ Bottom 16mm dai bar							
	Grid A to B &vGrid F to E	2	4	2.59	1.58		32.74	
	Grid E to D & Grid B to C	2	4	2.85	1.58		36.02	
	Grid D to C	2	2	3.62	1.58		22.88	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	100	1.25	0.39		97.50	
	PB2 & PB3							
	through bar 3# 12mm dia @ Top and bottom	2	6.00	3.40	0.89		36.31	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	17	1.25	0.39		16.58	
	PB5							
	through bar 3# 12mm dia @ Top	2	5.40	3.40	0.89		32.68	
	through bar 3# 16mm dia @ bottom	2	5.40	3.40	1.58		58.02	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	26	1.25	0.39		25.35	
	2nd and Part bill							
	Coloumns Above Plinth							
	C1							
	16# 25mm dia bar	22	18	7.00	3.85		10672.20	
	Stirrups 8mm dia bar @ 200mm C/C	22	4	1.65	0.39		56.63	
	P2							
	14# 16mm dia bar	8	14	4.65	3.85		2005.08	
	Stirrups 8mm dia bar @ 200mm C/C	8	2	2.20	0.39		13.73	
	C2							

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	16# 20mm dia bar	8	10	7.00	3.65		2044.00	
	Stirrups 8mm dia bar @ 200mm C/C	8	2	1.36	0.39		8.49	
	P3							
	14# 16mm dia bar	2	12	4.65	2.50		279.00	
	C3							
	16# 20mm dia bar	2	15	7.00	1.58		331.80	
	3rd and Final bill							
	Coloumns Above Plinth							
	C1							
	18# 25mm dia bar	22	18	1.32	3.85		2012.47	
	Stirrups 8mm dia bar @ 200mm C/C	22	7	1.65	0.39		99.10	
	C2							
	10# 25mm dia bar	8	10	1.32	3.85		406.56	
	Stirrups 8mm dia bar @ 200mm C/C	8	7	1.36	0.39		29.70	
	C3							
	16# 16mm dia bar	2	15	1.80	1.58		85.32	
	Lintel Beam							
	LB1 & LB4	p						
	through bar 3# 16mm dia @ Top and bottom	2	6.00	42.40	1.58		803.90	
	Extra bar @top 16mm dai bar							
	Grid 1&11	2	2.00	1.40	1.58		8.85	
	Grid 2 to 10	2	9.00	2.80	1.58		79.63	
	Extra bar @ Bottom 16mm dai bar							
		2	20	3.15	1.58		199.08	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	207	1.25	0.39		201.83	
	LB6 & LB7							
	through bar 3# 16mm dia @ Top and bottom	2	6.00	20.70	1.58		392.47	
	Extra bar @top 16mm dai bar							
	Grid E to B	2	4.00	2.75	1.58		34.76	
	Grid A to F	2	2.00	1.50	1.58		9.48	
	Extra bar @ Bottom 16mm dai bar							
	Grid A to B &vGrid F to E	2	4	2.59	1.58		32.74	
	Grid E to D & Grid B to C	2	4	2.85	1.58		36.02	
	Grid D to C	2	2	3.62	1.58		22.88	
	Stirrups 8mm dia bar @ 200mm C/C							

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
		2	100	1.25	0.39		97.50	
	Tie Beam at Eave Level							
	TB1 & TB4	p						
	through bar 3# 16mm dia @ Top and bottom	2	6.00	42.40	1.58		803.90	
	Extra bar @top 16mm dai bar							
	Grid 1&11	2	2.00	1.40	1.58		8.85	
	Grid 2 to 10	2	9.00	2.80	1.58		79.63	
	Extra bar @ Bottom 16mm dai bar							
		2	20	3.15	1.58		199.08	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	207	1.25	0.39		201.83	
	TB6 & TB7							
	through bar 3# 16mm dia @ Top and bottom	2	6.00	20.70	1.58		392.47	
	Extra bar @top 16mm dai bar							
	Grid E to B	2	4.00	2.75	1.58		34.76	
	Grid A to F	2	2.00	1.50	1.58		9.48	
	Extra bar @ Bottom 16mm dai bar							
	Grid A to B &vGrid F to E	2	4	2.59	1.58		32.74	
	Grid E to D & Grid B to C	2	4	2.85	1.58		36.02	
	Grid D to C	2	2	3.62	1.58		22.88	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	100	1.25	0.39		97.50	
	TB2 & TB3							
	through bar 3# 12mm dia @ Top and bottom	2	6.00	3.40	0.89		36.31	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	17	1.25	0.39		16.58	
	TB5							
	through bar 3# 12mm dia @ Top	2	5.40	3.40	0.89		32.68	
	through bar 3# 16mm dia @ bottom	2	5.40	3.40	1.58		58.02	
	Stirrups 8mm dia bar @ 200mm C/C							
		2	26	1.25	0.39		25.35	
	For Potico Slab							
	For Projection Slab							
	Main bar 12mm dia bar @150mm C/C							
	Distribution bar 10mm dia bar							
	41/0.15=273Nos	4	273	1.38	0.89		1341.19	

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
		4	8	41.00	0.61		800.32	
	Eave Wall(parapaet Wall)	4	273	1.50	0.89		1457.82	
		4	10	41.00	0.61		1000.40	
							46750.77	kg
						Total Qty	46.75	Tn
						Qty Paid in 1st R.A Bill	21.10	Tn
						Qty Paid in 2nd R.A Bill	14.75	Tn
						Present Qty	10.90	Tn

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 22/05/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
21	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54 (Item No.5.26.1, Page No.25, SR: 2016-17)							
	INDOOR GAME BUILDING							
	Wall							
	South Side		1	41.00		2.15	88.15	
	North Side		1	41.00		2.15	88.15	
	East Side		1	7.10		2.15	15.27	
			1	7.15		2.15	15.37	
	West Side		1	19.80		2.15	42.57	
	Deductions Coloumns		-18	0.375		2.15	-14.51	
			-6	0.23		2.15	-2.97	
	3rd and Final Bill							
	South Side		1	41.00		0.50	20.50	
	North Side		1	41.00		0.50	20.50	
	East Side		1	7.10		0.50	3.55	
			1	7.15		0.50	3.58	
	West Side		1	19.80		0.50	9.90	
	Deductions Coloumns		-18	0.375		0.50	-3.38	
			-6	0.23		0.50	-0.69	
						Total Qty	**285.99**	**Sqm**
						Qty Paid in 1st R.A. Bill	**0.00**	**Sqm**
						Qty Paid in 2nd R.A. Bill	**232.03**	**Sqm**
						Present Qty	**53.96**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 17/02/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
27	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick t| base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification.							
	3rd and Final Bill							
	Indoor Game Building							
	90mm Pipe Top Pipe=6.43kg/Mtr							
	75mm Pipe 5.34kg/mtr							
	60mm pipe 3.36kg/mtr							
	50mm pipe 2.42kg/mtr							
	For single Truss							
	90mm pipe							
	Top		1	22.85		6.45	147.38	
	Bottom		1	22.85		6.45	147.38	
	60mm pipe						0.00	
	Verticle pipe		17	1.50		3.36	85.68	
	Inclined Pipe		15	1.75		3.36	88.20	
							468.65	
	For 11 Truss		11			935.46	**10290.06**	
	Purlins							
	Top 90mm pipe		17	42.5		2.42	3496.90	
	Bottom 50mm pipe		4	42.5		2.42	822.80	
	Bracing Pipe 75mm dia		3	4	5.94	5.34	128.16	
			3	4	5.33	5.34	128.16	
			3	4	5.03	5.34	128.16	
	Top Bracings		3	16	4.35	5.34	512.64	
	Plates	22	0.45	0.35	0.02	7850	2472.75	

Scanned with CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
		12	0.10	0.16	0.01	7850	251.20	
		30	0.20	0.16	0.01	7850	502.40	
	Cleat Angles	311	0.18	0.10	0.01	7850	274.75	
	Nut & Bolts Lump Sum						1250.00	
						Present Qty	**24098.00**	**Kgs**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 07/06/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
38	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550mpa steel grade, 5-7 microns (Item No.38.30, Page No.300, SR: 2016-17)							
	3rd and Final Bill							
	Indoor Game Building							
	Top Sheet		1	30.0	22.30		669.00	
			1	11.0	22.30		245.30	
						Present Qty	**914.30**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 15/07/19 , 19/07/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
29	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (Item No.4.12, Page No.13, SR: 2016-17)							
	Indoor Game Building							
	First Floor Level							
	Coloumns							
	C1		22	0.45	0.375	2.13	7.91	
	C2		8	0.45	0.23	2.13	1.76	
	C3		2	0.07		0.875	0.12	
	For Tie beam at Eave level						0.00	
	TB1 &TB4		2	35.75	0.23	0.45	7.40	
	TB6 &TB7		2	18.00	0.23	0.45	3.73	
	TB2 &TB3		2	2.35	0.23	0.30	0.32	
	TB5		1	4.69	0.23	0.30	0.32	
	Coloumn Above Eave level							
	C1		22	0.45	0.375	0.40	1.49	
	C2		8	0.45	0.23	0.40	0.33	
	Roof Portico		1	6.55	3.49	0.175	3.99	
	Projection Slab		2	41.00	1.15	0.20	18.86	
						Present Qty	**57.43**	**Cum**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 10/07/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
30	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.34, Page No.16, SR: 2016-17)							
	Indoor Game Building							
	First Floor Level							
	Coloumns							
	C1		22	1.65	0.38	2.13	77.32	
	C2		8	1.36	0.23	2.13	23.17	
	C3		2	0.07		0.875	0.12	
	For Tie beam at Eave level							
	TB1 &TB4		4	35.75		0.45	64.35	
	TB6 &TB7		4	18.00		0.45	32.40	
	TB2 &TB3		4	2.35		0.30	2.82	
			2	2.35		0.23	1.08	
	TB5		2	4.69		0.30	2.81	
			1	4.69		0.23	1.08	
						Present Qty	**205.16**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 22/05/19, 20/06/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
31	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54 (Item No.5.26.1, Page No.25, SR: 2016-17)							
	Indoor Game Building							
	First Floor Level							
	South Side		1	41.00		1.63	66.83	
	North Side		1	41.00		1.63	66.83	
	East Side		1	7.10		1.63	11.57	
			1	7.15		1.63	11.65	
	West Side		1	19.80		1.63	32.27	
	Deductions Coloumns		-18	0.375		1.63	-11.00	
			-6	0.23		1.63	-2.25	
	Above Tie Beam							
	South Side		1	41.00		1.10	45.10	
	North Side		1	41.00		1.10	45.10	
	East Side		1	19.80		2.20	43.56	
	West Side		1	19.80		2.20	43.56	
	Gutter		2	41.00		0.40	32.80	
			2	19.80		0.40	15.84	
						Present Qty	**401.87**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 31/07/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
32	Chiken mesh (Sl.No-716, Code no-0092, Page No.XXVIII, SR: 2016-17)							
	Indoor Game Building							
	Eave Wall(parapaet Wall)		4.00	41.00		1.50	246.00	
						Present Qty	**246.00**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner

Name of work:Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13

Measurements Recorded On 05/08/19

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
33	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Item No.15.16, Page No.114, SR: 2016-17)							
	Indoor Game Building							
	Eave Wall(parapaet Wall)		4.00	41.00		1.50	246.00	
						Present Qty	**246.00**	**Sqm**

Contractor

PMC

Assistant Engineer
Dasrarahalli Project division
BBMP Bangalore

Asst. Executive Engineer,
Dasrarahalli Project division
BBMP Bangalore

Scanned with CamScanner